

ABSTRACT

[1048] In a disclosed embodiment, a visitor location register first initializes an assignment table to store N entries. Next, the visitor location register waits until a TMSI assignment is needed. Then, a counter is maintained in memory and is incremented. The value of the counter is then hashed to produce an assignment table index. Beginning at the assignment table index, the assignment table is searched for an available entry. The counter is then encrypted to produce a TMSI. The IMSI corresponding to the TMSI assignment is then stored in the assignment table.